

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L24	9	(US-20020109150-\$ or US-20020151130-\$ or US-20040071013-\$).did. or (US-6965129-\$ or US-6690039-\$ or US-6756612-\$ or US-6583452-\$ or US-6913955-\$ or US-6229161-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:03
L26	9	24 and (bit\$1line or bit adj line) and (word\$1line or word adj line)	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:08
L27	8	24 and ((bit\$1line or bit adj line) and (word\$1line or word adj line)).detx.	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:28
L28	0	27 not 26	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:09
L29	1	26 not 27	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:09
L30	8	(US-20040071013-\$ or US-20020151130-\$ or US-20020109150-\$).did. or (US-6965129-\$ or US-6913955-\$ or US-6756612-\$ or US-6229161-\$ or US-6690039-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:10
L31	8	(US-20040071013-\$ or US-20020151130-\$ or US-20020109150-\$).did. or (US-6965129-\$ or US-6913955-\$ or US-6756612-\$ or US-6229161-\$ or US-6690039-\$).did.	DERWENT	OR	OFF	2007/09/14 13:10
L32	4	(US-20020151130-\$ or US-20020109150-\$).did. or (US-6965129-\$ or US-6229161-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:16
L33	4	(US-20020151130-\$ or US-20020109150-\$).did. or (US-6965129-\$ or US-6229161-\$).did.	DERWENT	OR	OFF	2007/09/14 13:24
L34	17	("3858060" "3918033" "3964085" "3978577" "4068217" "4488262" "4692785" "4754310" "4791604" "4829482" "4870470" "5043946" "5382814").pn.	DERWENT	OR	OFF	2007/09/14 13:19
L35	13	("3858060" "3918033" "3964085" "3978577" "4068217" "4488262" "4692785" "4754310" "4791604" "4829482" "4870470" "5043946" "5382814").pn.	USPAT	OR	OFF	2007/09/14 13:19
L36	4	35 and thyristor	USPAT	OR	OFF	2007/09/14 13:20
L37	1	("6,661,042").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:24
L38	68	257/124,154.ccor.	US-PGPUB; USPAT	OR	OFF	2007/09/14 13:32

## EAST Search History

L39	269	257/124,154.ccls.	US-PGPUB; USPAT	OR	OFF	2007/09/14 14:11
L41	472	(noble blanchard) and (negative reverse) near2 (resistivity conductivity resistance conductance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:51
L42	28	(noble blanchard).in. and (negative reverse) near2 (resistivity conductivity resistance conductance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:51
L43	20	42 and memory	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:54
L44	19	43 and (thyristor diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:54
S1	6	10/612793	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:19
S2	6	S1 and differential	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 11:56
S3	4	("20040246764" "20050098800").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:24

## EAST Search History

S4	3	S3 and diode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:28
S5	24	"10326470"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:30
S6	21	"10326470" and herner and diode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:31
S7	9	"10326470" and herner and diode not "10855784"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:54
S8	12	"10326470" and herner and diode and "10855784"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:32
S9	11	"10326470" and herner and diode and p-i-n	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:39
S10	0	S9 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:37

## EAST Search History

S11	11	S9 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:37
S12	1	"10326470" and herner and diode and "10855784" not p-i-n	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:40
S13	1	(undoped intrinsic) and diode and "10855784" not p-i-n	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:41
S14	1	(undoped intrinsic) with diode and "10855784" not p-i-n	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:42
S15	1	(undoped intrinsic) and cap with diode and "10855784" not p-i-n	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:43
S16	1	(undoped intrinsic) and (cap capped) and diode and "10855784" not p-i-n	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:50
S17	20	(HERNER near2 SCOTT CLEEVES near2 JAMES KNALL near2 JOHAN).in. and p-i-n	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:54

## EAST Search History

S18	20	S17 not S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 10:54
S19	20	S17 not "10855784"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 11:18
S20	4	S17 and "09939431"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 11:18
S21	21	10/232,855	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 11:26
S22	2	"20040041212".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 11:27
S23	2	"7042027".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 11:27

## EAST Search History

S24	33	("20020048190"   "20020105023"   "20030042534"   "20030072126"   "20030089942"   "20030151948"   "20030160277"   "20040007734"   "20040014304"   "20040041206"   "3918033"   "3978577"   "4488262"   "4791604"   "4870470"   "5396454"   "5488243"   "5557569"   "5627779"   "5814853"   "6104045"   "6243296"   "6248626"   "6294427"   "6462359"   "6545297"   "6574143"   "6600188"   "6611452"   "6638627"   "6653174"   "6653175"   "6660616").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:27
S25	552	("20020048190"   "20020105023"   "20030042534"   "20030072126"   "20030089942"   "20030151948"   "20030160277"   "20040007734"   "20040014304"   "20040041206"   "3918033"   "3978577"   "4488262"   "4791604"   "4870470"   "5396454"   "5488243"   "5557569"   "5627779"   "5814853"   "6104045"   "6243296"   "6248626"   "6294427"   "6462359"   "6545297"   "6574143"   "6600188"   "6611452"   "6638627"   "6653174"   "6653175"   "6660616")	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:28
S26	74	S25 and thyristor with gate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:28
S27	16	S26 and (un\$1doped intrinsic)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:40
S28	15	"6,229,161" and (un\$1doped intrinsic)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:40
S29	126	"6,229,161" and (un\$1doped intrinsic thyristor npnp pnpn pin p-i-n) and memory	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:42
S30	15	S29 and (un\$1doped intrinsic pin p-i-n)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:47
S31	13	blanchard and ndr	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:48
S32	7	blanchard and ndr and memory	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:48

## EAST Search History

S33	52	("20010024841"   "20020093030"   "20020096690"   "20020100918"   "3943549"   "4031412"   "4032955"   "4612448"   "4672410"   "4673962"   "4677455"   "4734384"   "4829357"   "4833516"   "4864168"   "4959703"   "4982258"   "5034785"   "5099300"   "5106776"   "5202750"   "5252845"   "5283456"   "5321285"   "5324966"   "5390145"   "5396454"   "5412598"   "5463344"   "5464994"   "5528062"   "5543652"   "5641694"   "5689458"   "5705835"   "5821549"   "5874751"   "5910738"   "5914503"   "5936267"   "5939736"   "5981984"   "6081002"   "6210981"   "6225165"   "6229161"   "6258634"   "6281025"   "6391689"   "6448586"   "6462359"   "6472693").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/13 11:59
S37	4	((("7042027") or ("6917078"))).PN.	USPAT; DERWENT	OR	OFF	2007/09/13 11:59
S38	1	S37 and (intrinsic un\$doped)	USPAT; DERWENT	OR	OFF	2007/09/13 12:01
S39	1	t-ram.asn. and (intrinsic un\$doped) same thyristor	USPAT; DERWENT	OR	OFF	2007/09/13 12:01
S40	2	t-ram.asn. and (intrinsic un\$doped) same thyristor	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:02
S41	2	ram.asn. and (intrinsic un\$doped) same thyristor	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:03
S42	2	t\$1ram.asn. and (intrinsic un\$doped) same thyristor	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:03
S43	17701	(ram t\$1ram tram t-ram).asn. and memory thyristor	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:04
S44	77	(ram t\$1ram tram t-ram).asn. and memory with thyristor	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:04
S45	29	(ram t\$1ram tram t-ram).asn. and memory with thyristor with (gate gated gating)	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:58
S46	73	(Horch near2 Andrew Lee near2 Zachary Nemati near2 Farid Robins near2 Scott Plummer near2 James Yang near2 Kevin Tarabbia near2 Marc Cho near2 Hyun-Jin).in. and memory and thyristor	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:57
S47	29	S45 and thyristor with (gate gated gating)	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:58
S48	61	S46 and thyristor with (gate gated gating)	US-PGPUB; USPAT	OR	OFF	2007/09/13 12:58

## EAST Search History

S49	34	S48 not S45	US-PGPUB; USPAT	OR	OFF	2007/09/13 13:01
S50	102	Novel adj Thyristor-based adj SRAM	US-PGPUB; USPAT	OR	OFF	2007/09/13 13:04
S51	1	("20020151130").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/13 13:05
S52	2	((("20020151130") or ("20020093390")).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/13 13:20
S53	6	S1 and (intrinsic un\$1doped)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 13:21
S54	0	"x."	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 13:21
S55	4	S1 and (intrinsic un\$1doped).detx.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 13:56
S56	63	(thyristor and (intrinsic un\$1doped)). ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 13:58
S57	8	jp-5205017?-\$\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:03
S58	3	KUWAGATA near2 MASAHIRO and thyristor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:04



## EAST Search History

S59	7	"5360990" and (negative negative undoped intrinsic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:14
S60	48	pnipn npinp	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:20
S61	13	S60 and thyristor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:29
S62	15	S60 and gate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:21
S63	18	S61 or S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:21
S64	18	S60 and (gate gto thyristor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:30
S65	30	S60 not (gate gto thyristor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:30

## EAST Search History

S66	6	(US-4086611-\$ or US-5360990-\$ or US-5369291-\$ or US-3638082-\$ or US-3737741-\$).did. or (US-3284639-\$).did.	USPAT; USOCR	OR	OFF	2007/09/13 14:38
S67	52	"4086611" "5360990" "5369291" "3638082" "3737741" "3284639"	USPAT; USOCR	OR	OFF	2007/09/13 14:40
S68	43	S67 and (intrinsic gate thyristor un\$doped)	USPAT; USOCR	OR	OFF	2007/09/13 14:47
S69	8	S67 and negative adj resistance	USPAT; USOCR	OR	OFF	2007/09/13 14:50
S70	1	S67 and negative adj resistance with stable	USPAT; USOCR	OR	OFF	2007/09/13 14:51
S71	32	(US-20020027793-\$ or US-20050105371-\$ or US-20050098800-\$ or US-20050001232-\$ or US-20040071013-\$ or US-20020096690-\$ or US-20020109150-\$ or US-20020151130-\$ or US-20020093390-\$).did. or (US-5360990-\$ or US-5369291-\$ or US-3638082-\$ or US-3737741-\$ or US-6462359-\$ or US-6690039-\$ or US-6965129-\$ or US-6727528-\$ or US-6583452-\$ or US-6756612-\$ or US-6913955-\$ or US-6479862-\$ or US-4086611-\$ or US-3566206-\$).did. or (US-3470036-\$ or US-3284639-\$ or US-3082131-\$).did. or (JP-52050173-\$ or JP-52050174-\$ or JP-52050175-\$ or JP-52050176-\$ or JP-52050177-\$).did. or (NN7009943).tban.	US-PGPUB; USPAT; USOCR; JPO; IBM_TDB	OR	OFF	2007/09/13 14:50
S72	1	S71 and negative adj resistance with stable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:53
S73	2	S71 and negative adj resistance and stable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:51

## EAST Search History

S74	3	S71 and negative near3 resistance with stable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 14:53
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